

7/30/2003

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PTO/SB/08A (10-96)  
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
Application Number					
Filing Date					
First Named Inventor		Easter, A.			
Group Art Unit					
Examiner Name					
Attorney Docket Number		8793-52150			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
/SGI/	AA	6,322,503		Sparhawk, Jr.	11-27-2001	
	AB	6,190,872		Slotman	02-20-2001	
	AC	5,826,585		Franssen et al.	10-27-1998	
	AD	4,839,822		Dormond et al.	06-13-1989	
	AE	5,315,505		Pratt et al.	05-24-1994	
	AF	5,672,154		Sillen et al.	09-30-1997	
	AG	5,692,500		Gaston-Johansson	12-02-1997	
	AH	5,908,383		Brynjestad	06-01-1999	
	AI	6,014,631		Teagarden et al.	01-11-2000	
	AJ	6,024,699		Surwit et al.	02-15-2000	
	AK	6,066,092		Cady et al.	05-23-2000	
	AL	6,529,195		Eberlein	03-04-2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				

Examiner Signature	/Samuel Gilbert/ (03/25/2007)	Date Considered	
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Substitute for form 1449B/PTO				Complete if Known	
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				Filing Date	
				First Named Inventor	Easter, A.
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	8793-52150

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

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### Complete if Known

Application Number	10/630,046
Filing Date	07/30/2003
First Named Inventor	Eater, A.
Group Art Unit	3762
Examiner Name	
Attorney Docket Number	8793-52150

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/SG/	BB	HONICK, D., et al., Fractures, Rib, online serial, eMed J, <a href="http://www.emedicine.com/emerg/topic204.htm">http://www.emedicine.com/emerg/topic204.htm</a> , July 17, 2001, 11 pages.	
	BC	GABRAM, S., et al., Clinical Management of Blunt Trauma Patients with Unilateral Rib Fractures: A Randomized Trial, World Journal of Surgery, 19, 388-393, May/June 1995.	
	BD	SHORR, R., et al., Blunt Thoracic Trauma, Annals of Surgery, 206: 200-205, August 1987.	
	BE	ZIEGLER, D., et al., The Morbidity and Mortality of Rib Fractures, The Journal of Trauma, 37: 975-979, December 1994.	
	BF	BEACHEY, W., Respiratory Care Anatomy and Physiology: Foundations for Clinical Practice, CV Mosby, St. Louis, pp. 33-40, 1998.	
	BG	HAIFEH, K., Basic Anatomy and Physiology of the Respiratory System and the Autonomic Nervous System. In: TIMMONS, B., et al., eds., Behavioral and Psychological Approaches to Breathing Disorders, Plenum Press, New York, pp. 17-45, 1994.	
	BH	HAENEL, J., et al., Extrapleural Bupivacaine for Amelioration of Multiple Rib Fracture Pain, The Journal of Trauma, 38: 22-27, January 1995.	
	BI	CAMPBELL, D., Trauma to the Chest Wall, Lung, and Major Airways, Seminars in Thoracic and Cardiovascular Surgery, 4: 234-240, 1992.	
	BJ	RICHARDSON, J., et al., Selective Management of Flail Chest and Pulmonary Contusion, Annals of Surgery, 196, 481-487, October 1982.	
	BK	SARIEGO, J., et al., Predictors of Pulmonary Complications in Blunt Chest Trauma, Int. Surg., 78: 320-323, 1993.	
	BL	CAILLOT, J., et al., Thoracic Trauma. In: CAVINA, E., et al., eds., European Course Trauma Care, website, <a href="http://www.cdu.dc.med.unipi.it/ectc/indexectc.htm">http://www.cdu.dc.med.unipi.it/ectc/indexectc.htm</a> , last update May 7, 2001, 7 pages.	
/SG/	BM	MCRITCHIE, D., et al., Pneumonia in Patients with Multiple Trauma, Clinics in Chest Medicine, 16: 135-146, March 1995.	

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Sheet 2 of 4

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/SG/	BN	CASE, S., et al., Adult Respiratory Distress Syndrome: A Deadly Complication of Trauma, Focus on Critical Care, 19: 116-121, April 1992.	
	BO	MATHEWSON, H., Preventing Posttraumatic Pneumonia, CRNA: The Clinical Forum for Nurse Anesthetists, 6: 114-117, August 1995.	
	BP	VON RUEDEN, K., et al., Pulmonary Dysfunction Related to Immobility in the Trauma Patient, AACN Clinical Issues, 6: 212-228, May 1995.	
	BQ	PAPE, H-C., et al., The Effect of Kinetic Positioning on Lung Function and Pulmonary Haemodynamics in Posttraumatic ARDS: A Clinical Study, Injury, 25: 51-57, 1994.	
	BR	BROWER, R., et al., Ventilation with Lower Tidal Volumes as Compared with Traditional Tidal Volumes for Acute Lung Injury and the Acute Respiratory Distress Syndrome, The New England Journal of Medicine, 342: 1301-1308, May 4, 2000.	
	BS	TORBIN, M., Principles and Practice of Mechanical Ventilation, McGraw-Hill, New York, 411-425, 1994.	
	BT	LAIN, D., et al., Pressure Control Inverse Ratio Ventilation as a Method to Reduce Peak Inspiratory Pressure and Provide Adequate Ventilation and Oxygenation, Chest, 95: 1081-1088, May 1989.	
	BU	THARRATT, R., et al., Pressure Controlled Inverse Ratio Ventilation in Severe Adult Respiratory Failure, Chest, 94: 755-762, October 1988.	
	BV	MARCY, T., et al., Inverse Ratio Ventilation in ARDS, Chest, 100: 494-504, August 1991.	
	BW	IP-YAM, P., et al., Combined High-frequency Ventilation (CHFV) in the Treatment of Acute Lung Injury--A Case Report, Annals Academy of Medicine, 27: 437-441, May 1998.	
	BX	IHRA, G., et al., High-frequency Ventilation for Management of Respiratory Complications after Trauma and Major Orthopaedic Surgery, Anaesthesia, 53 (suppl. 2): 1-2, April 1998.	
/SG/	BY	JAWAN, B., et al., Aspiration and Transtracheal Jet Ventilation with Different Pressures and Depths of Chest Compression, Critical Care Medicine, 27: 142-145, 1999.	

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/SG/	BZ	CAMPBELL, D., et al., Nitric Oxide and High Frequency Jet Ventilation in a Patient with Bilateral Bronchopleural Fistulae and ARDS, Canadian Journal of Anesthesia, 47: 53-57, 2000.	
	CA	WEIS, C., et al., Liquid-Assisted Ventilation: Physiology and Clinical Application, Annals of Medicine, 29: 509-517, 1997.	
	CB	DITTMAN, M., et al, A Rationale for Epidural Analgesia in the Treatment of Multiple Ribfractures, Intensive Care Medicine, 4: 193-197, 1978.	
	CC	O'KELLY, E, et al., Continuous Pain Relief for Multiple Fractured Ribs, British Journal of Anaesthesia, 53: 989-991, 1981.	
	CD	ABOUHATEM, R., et al., Thoracic Epidural Analgesia in the Treatment of Rib Fractures, Acta Anaesthesiol Belg., 35 (suppl.): 271-275, 1984.	
	CE	WORTHLEY, L., Thoracic Epidural in the Management of Chest Trauma, Intensive Care Medicine, 11: 312-315, 1985.	
	CF	ROCCO, A, et al., Intrapleural Administration of Local Anesthetics for Pain Relief in Patients with Multiple Rib Fractures, Preliminary Report, Regional Anesthesia, 12: 10-14, January-March, 1987.	
	CG	DE ANDRES, J., et al., Predictors of Patient Satisfaction with Regional Anesthesia, Regional Anesthesia., 20: 498-505, November-December, 1995.	
	CH	SHORT, K., et al., Evaluation of Intrapleural Analgesia in the Management of Blunt Traumatic Chest Wall Pain: A Clinical Trial, The American Surgeon, 6: 488-493, June 1996.	
	CI	CLARKE, K. Effective Pain Relief with Intrapleural Analgesia, Nursing Times, 95: 49-50, March 24, 1999.	
	CJ	WU, C., et al., Thoracic Epidural Analgesia versus Intravenous Patient-Controlled Analgesia for the Treatment of Rib Fracture Pain after Motor Vehicle Crash, The Journal of Trauma, 47: 564-567, September 1999.	
/SG/	CK	SIEGEL, J., et al., A Quantitative Method for Cost Reimbursement and Length of Stay Quality Assurance in Multiple Trauma Patients, The Journal of Trauma, 37: 928-937, December 1994.	

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